

BOBINOVА, L.M., Cand ^{hem Sci} -- (diss) "Study of the
properties of certain ^{titanium} compounds and their use as catalysts
for the polymerization of olefins." Gor'kiy, 1959, o.p.
(Min of Higher Education USSR. Gor'kiy State Univ im N.I.
Lobachevskiy) 150 copies (KL, 33-59, 116)

- 7 -

5(2,3)

SOV/20-127-3-28/71

AUTHORS:

Razuvayev, G. A., Corresponding Member, AS USSR, Bobinova,
L. M., Etlis, V. S.

TITLE:

Some Chemical Properties of Phenyltitantriisopropylate and
Its Catalytic Power in the Polymerization of Olefines

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 3,
pp 581 - 583 (USSR)

ABSTRACT:

It was proved that diphenyltitanacyclopentadienyl alone (Refs 1,2) cannot initiate a polymerization of ethylene. If titanetetrachloride is added to trialkylaluminum, catalysts develop in both cases which transform ethylene into a solid polymer. $(C_6H_5)_2Ti(C_5H_5)_2$ differs considerably from the usual metal-organic compounds with co-valent Me-C-linkages as far as its structure is concerned. Phenyltitantriisopropylate is a purely co-valent titan-organic compound (Refs 3,4) and is an initiator of the polymerization of styrene into a solid polymer. Some investigators explain this by the readiness to decompose with the development of a phenyl radical. Since the chemical reaction characteristic of true metal-

Card 1/3

Some Chemical Properties of Phenyltitantriisopropylate and Its Catalytic Power in the Polymerization of Olefines SOV/20-127-3-28/71

Card 2/3

organic compounds have been little investigated as far as phenyltitantriisopropylate is concerned, the authors carried out the present work. They investigated its catalytic power for unsaturated compounds, alone and with an addition of AlR_3 or TiCl_4 , and also its chemical properties. The mentioned product, synthesized by the authors, actually initiated the polymerization of styrene, but during the reaction with propylene, only traces of a liquid polymer could be found. This catalyst also polymerized several tested monomers. It was proved that the system $\text{Al}(\text{C}_2\text{H}_5)_3 - \text{C}_6\text{H}_5\text{Ti}(\text{i-OC}_3\text{H}_7)_3$ initiated the polymerization of propylene at 90-100° with the development of not more than 30-35% of a liquid polymer. The addition of titanetetrachloride to phenyltitantriisopropylate developed a catalyst which caused a more intensive polymerization of propylene at 90-100°. The liquid polymer had a molecular weight of 144-545. Its output largely depended upon the molecular proportion of the components of the catalyst (Fig 1). Figure 2 shows the influence of the catalyst content on the

Some Chemical Properties of Phenyltitantriisopropylate SOV/20-127-3-28/71
and Its Catalytic Power in the Polymerization of Olefines

output of the polymer. Based upon the above investigation, the experts arrived at the following conclusion: titanoxo-chloride is the actual catalyst in the polymerization of the catalytic system $C_6H_5Ti(i-OC_3H_7)_3$. It is produced by several reactions which precede polymerization. Phenyl radicals do not take part in the mentioned process. This is confirmed by the i.-r. spectrum (Fig 3). There are 3 figures and 7 references, 1 of which is Soviet.

SUBMITTED: May 12, 1959

Card 3/3

BOBINOVА, L.M.; RAZUVAYEV, G.A.

Thermal decomposition of some organotitanium compounds. Zhur.-
ob.khim. 33 no.7:2389-2394 J1 '63. (MIRA 16:8)

1. Gor'kovskiy gosudarstvennyy universitet imeni N.I.Lobachevskogo.
(Titanium organic compounds)

RAZUVAYEV, G.A.; BOBINOVA, L.M.

Reactions of methyl titanium trichloride with metallic mercury and mercuric chloride. Dokl. AN SSSR 150 no.2: 325-327 My '63. (MIRA 16:5)

1. Chlen-korrespondent AN SSSR (for Razuvayev).
(Titanium compounds) (Mercury chlorides)

L 6933-66 ENT(m)/EPF(c)/ENP(j)/T RM

ACCESSION NR: AR5003008

8/0031/64/000/020/5034/5034

25
B

SOURCE: Ref. zh. Khimiya Abs. 208186

AUTHOR: Bobinova, L. M.; Morozova, Ye. P.

TITLE: A study of the polymerization of ethylene oxide in the presence of some metal sulfates

CITED SOURCE: Tr. po khimii i khim. tekhnol. Gor'kiy, vyp. 2(8), 1963, 296-299

TOPIC TAGS: ethylene oxide polymer, sulfate catalyst, polymerization catalyst, calcium sulfate, triethylaluminum, gas phase polymerization

TRANSLATION: When ethylene oxide was polymerized under the influence of Ca, Zn, Ba, Mn and Al sulfates, a macromolecular polymer was obtained with the aid of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ (although no polymer was obtained on CaSO_4). The reaction could be carried out either in ampoules or at atmospheric pressure, passing the gaseous ethylene oxide through at a rate of 15 g/hr. Experiments showed that the maximum yield (75-80%) was achieved when the amount of $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$ was 3-5% of the weight of ethylene oxide; increasing the temperature (from 70 to 120°C) reduced

Cord 1/2

L 6933-66

ACCESSION NR: AR5003008

the reaction time (from 70 to 30 hrs) without decreasing the molecular weight (30,000-40,000 as determined viscosimetrically). During polymerization in the gas phase, the maximum yield of polymer was obtained at 180-200C for 50 hrs. (an induction period of 12-15 hrs., $\eta_{D} \sim 0.2$). The use of $Al(C_2H_5)_3$ or $Al(iso-OC_2H_5)_3$ as a cocatalyst (0.5-3.0%) together with $CaSO_4 \cdot 2H_2O$ (2-5%) increased the molecular weight of the polymer to 60,000 (determined viscosimetrically). The yield was 62-97% (reaction temperature 120C for 30 hrs.). The polymers obtained are hard powders which are soluble in water and benzene.
Yu. Sazanov.

SUB CODE: MF, OC

" ENCL: 00

beh
Card 2/2

BOBINOVА, L.M.; YELIZAROVA, P.D.; KRYMOVA, A.I.; ZIL'BERMAN, Ye.N.

Effect of electrolytes and certain organic substances on the
emulsion polymerization of vinyl chloride. Plast. massy. no.9:
5-7 '65. (MIRA 18:9)

LUKASZEWCZ-DANCOWA, Danuta; GECOW, Anna; BOBINSKA, Barbara

Characteristics of Heine-Medin disease treated in 1953 in Warsaw hospitals. Pediat.polska 30 no.1:77-82 Jan 55.

1. Z Kliniki Chor. Zak. Wieku Dziecięcego A.M. w Warszawie. Kierownik: prof. dr med. J.Bogdanowicz i Miejskiego Szpitala Zakaznego nr 3 w Warszawie, Dyrektor: dr med. E. Pomeraska. Warszawa, Sienna 60.
(POLIOMYELITIS, epidemiology,
in Warsaw, 1953, clin. picture)

BOBINSKA, HELENA.

Maria Curie-Skłodowska.

Warszawa, Poland. Spółdzielnia Wydawnicza "Czytelnik," 1945. 62, (1) p.

Monthly List of East European Accessions Index (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

GOLIKOVA, T.M.; BOBINSKAYA, G.A.; BABANOV, G.P.

Activity of cholinesterase of the blood serum in rheumatic fever in children. Pediatriia no.8:52-55 '61. (MIRA 14:9)

1. Iz kafedry detskikh bolezney (zav. prof. A.I. Titova)
Yaroslavskogo meditsinskogo instituta.
(CHOLINESTERASE) (RHEUMATIC FEVER)

BOBINSKA, KRYSTYNA

POLAND/Nuclear Physics - Elementary Particles

C-3

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 2886

Author : Bobinska Krystyna

Inst : Not Given

Title : The Discovery of the Anti-Neutron

Orig Pub : Nukleonika, 1957, 2, No 2, 347-349

Abstract : No abstract

Card : 1/1

POLAND / Analytical Chemistry. General.

E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11447.

Author : Basinska, H., Bobinska, T.

Inst : Not given.

Title : The Feasibility of the Application of Cupric Oxide as a Standard Reagent in Iodometry.

Orig Pub: Chem. analit., 1957, 2, No 3, 240-244.

Abstract: It was established that CuO, proposed by Rosenthal (RZhKhim, 1955, 581) to be used as a new standard reagent in iodometry, possesses a number of advantages in comparison with other standards: CuO is easily obtained in a pure form; is preserved in a glass vessel without change of its properties during many months; is not volatile or hygroscopic; besides, in the case of CuO, which

Card 1/3

6

POLAND / Analytical Chemistry. General.

E

Abs Jour: Ref Zhur-Khimiya, No 4, 1959, 11447.

Abstract: is obtainable usually in the form of a fine powder, exact weighing of required quantities is facilitated. To determine the titration standard of the $\text{Na}_2\text{S}_2\text{O}_3$ solution, about 0.2 g of CuO is weighed and placed in a conic flask; 10 ml of 2 n H_2SO_4 are added, and the mixture is heated over a hot water bath until CuO is dissolved completely; at cooling, the solution is diluted with water up to 50 ml, 1.5 g of solid KI are added, and the liberated iodine is titrated against $\text{Na}_2\text{S}_2\text{O}_3$ solution. Near the end of the titration period, 2 ml of a starch solution are added, and the titration is continued until the blue color disappears. In place of weighed portions of CuO , precipitate it is possible to apply solutions of CuSO_4 , pre-

Card 2/3

BOBINSKAYA, G.A., Cand Med Sci -- (diss) "Clinic and remote
consequences of *Botkin's* disease in children." Yaroslavl', 1958,
17 pp (Second Mos Ste Med Inst im N.I. Pirogov) 200 copies
(KL, 27-58, 116)

- 192 -

BOBINSKAYA, G.A.

Results of late observations of children who have recovered from
Botkin's disease. Vop. okh. mat. i det. 3 no.3:51-54 My-Je '58.
(MIRA 17:5)

1. Iz kafedry detskikh bolezney Yaroslavskogo gosudarstvennogo
meditsinskogo instituta (zav.-prof. A.I. Titova).
(HEPATITIS, INFECTIOUS)

BOBINSKAYA, S. G.

25789. BOBINSKAYA, S. G. Rezhim pitaniya provolochnikov roda ^Agriotes,
Trudy Vsesoyuz. In-ta zashity rasteniy, vyp. 2, 1949, s. 76-83--Biolioogr:
5 Nazy.

SO: Letopis' Zhurnal'nykh Statey, Vol. 34, Moskva, 1949

BOBINSKAYA, S.G.

Significance of the mineral nutrition of plants in the development of
the cabbage aphid (Brevicoryne brassicae L.). Ent. oboz. 33:47-49 '53.
(MLRA 7:5)

1. Vsesoyuznyy Institut zashchity rasteniy Vsesoyuznoy Akademii sel'sko-
khozyaystvennykh nauk im. V.I.Lenina, Leningrad.
(Plant lice) (Cabbage--Diseases and pests)

Effect of ecological conditions on development and toxicity
of plants to the beet weevil after soil treatment with hexa-
chlorocyclohexane under sugar beet. S. G. Bobinskaya
and S. A. Persin. Doklady Akad. Nauk S.S.R. 105,
1350-3(1955).—In water-deficient conditions the introduc-
tion of DHC either into the soil or by seed dusting serves
severely to reduce the leaf area of beets; normal water
supply gave a higher crop yield, further increased by added
NPK. Thus org. Cl. compds. stimulate plant growth
only if water supply is adequate. The toxicity of the plant
to beet weevil also rises with improved growing conditions
(water supply). At normal water-supply level the insect
toxicity is 1.5-2 times higher than that under water-de-
ficiency conditions. G. M. Kosolapoff

2
April

BOBINSKAYA, S.G.

Effect of T.S. Mal'tsev's tillage and sowing system on the development and survival of injurious and beneficial insects. Zool. zhur. 38 no.11:1601-1611 N '59 (MIRA 13:3)

1. All-Union Research Institute of Plant Protection, Leningrad.
(Tillage) (Planting time)
(Insects, Injurious and beneficial)

BOBINSKAYA, S.G., kand.biolog.nauk

Cold resistance of grey cutworms. Zashch. rast. ot vred.
i bol. 5 no.9:47 S '60. (MIRA 15:6)
(Cutworms)

BOBINSKAYA, S.G.

Characteristics of the development of the gray grain moth *Hadena sordida* Bkh. Zool. zhur. 40 no.4:536-546 Ap '61. (MIRA 14:3)

1. All-Union Research Institute of Plant Protection (Leningrad).
(Karabalykskiy District—Moths) (Wheat—Diseases and pests)

BOBINSKAYA, S.G.

Qualitative differences of the population of the cutworm *Hadena sordida* Bkh. developing in wheat fields and in the uncultivated steppe. Vop. ekol. 7:10-11 '62. (MIRA 16:5)

1. Vsesoyuznyy institut zashchity rasteniy, Leningrad.
(Kustanay Province—Cutworms)

G. 1

3.

BOBINSKAYA, S.G.

Instars in the cutworm Hadena sordida Ekh. Zool.zhur. 41 no.8:1198-
1202 Ag '62. (MIRA 15:9)

1. All-Union Research Institute of Plant Protection, Leningrad.
(Karabalykskiy District--Cutworms) (Insects--Development)

GRIGOR'YEVA, T.G., kand. sel'skokhoz. nauk; BOBINSKAYA, S.G., kand. biolog. nauk; TANSKIY, V.I., mladshiy nauchnyy sotrudnik

Biological characteristics of the cutworm *Hadena sordida* and the forecast of its multiplication. Zashch. rast. ot vred. i bol. 4 no.2:38-41 Mr-Ap '59. (MIRA 16:5)

(Cutworms)

BOBINSKAYA, S.G.

Characteristics of the development of the cutworm *Hadena sordida*
Bkh. in wheat fields and uncultivated steppe. Trudy Vses. ent.
ob-va 50:162-169 '65. (MIRA 18:5)

BOBINSKAYA, Sitdeka Gabdullovna; GRIGOR'YEVA, Tat'yana Grigor'yevna;
PERSIN, Solomon Abramovich; ZHDANOVA, L.N., red.

[Wireworms and their control] Provolochniki i mery bor'by s
nimi. Leningrad, Kolos, 1965. 221 p. (MIRA 18:9)

BOBINSKI, A.

Selection and use of air conditioning in the decorative-fabrics industry.
Biuletyn Włok. p. 2.

PRZEGŁAD WŁOKIENNICKI. (Stowarzyszenie Inżynierów i Techników Przemysłu Włókienniczego) Łódź, Poland. Vol. 12, no. 1, Jan. 1958.

Monthly List of East European Accessions (EEAI) LC. Vol. 8, no. 2, July 1959.

Uncl.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1

BOBINSKI, Adolf, mgr inz

Polish-made apparatus controlling air humidity. Horyz techn 16 no.3:
6-7 '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1"

BOBINSKI, Adolf

New premises for removal of mist from the air in dyeworks.
Przegl wlokiem 18 no.1:37-44 Ja '64

BOBINSKI, E.

"Experiments in Telecommunication with the Installation and Exploitation of Conductors Insulated with Polyvinyl Chloride." p.426
(PRZEGLAD ELEKTROTECHNICZNY Vol. 29, no. 10, Oct. 1953 Warszawa, Poland)

SO: Monthly List of East European Accessions, IC, Vol. 3, no. 5, May 1954/Uncl.

BOBINSKI, E.

Problems of stability and strength of the foundations of dams built on the Flysch.

P. 397. (ARCHIWUM HYDROTECHNIKI) (Warszawa, Poland) Vol. 4, no. 4, 1957

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

BOBINSKI, Eryk, dr inż.

Settling prognosis of water works on cohesive soils. Gosp wodna 23
no.2:53-60 F '63.

1. Hydroprojekt, Warszawa.

HIMMEL, Andrzej; PANUSZ, Henryk; BOBINSKI, Henryk

Changes in carbohydrates metabolism induced by nadisean (BZ 55) in the healthy organism. 2. Polski tygod. lek. 13 no.24:907-915 16 June 58.

1. z Kliniki Interny Polowej A. M. w Lodz. Adres: Lodz, ul. Zeromskiego
113. Klin. Interny Polowej A. M.

(ANTIDIABETICS, eff.

carbutamide on blood sugar in normal cond. (Pol))

(BLOOD SUGAR, eff. of drugs on

carbutamide in normal cond. (Pol))

MACIEJEWSKI, A.; RUSZKOWSKI, M.; MAZURKIEWICZ, M.; PANUSZ, H.; BOBINSKI, H.;
HEWELEN, J.; KARGER, E.

Studies on blood proteins in children in general anesthesia. Pediat.
polska 34 no.1:37-51 Jan 59.

1. Z Kliniki Chirurgii Dziecięcej A. M. w Łodzi Kierownik: prof. dr
med. A. Maciejewski. Adres: Łódź, ul. Armii Czerwonej 15.

(ANESTHESIA, eff.

on blood proteins in child. (Pol))

(BLOOD PROTEINS,

eff. of anesth. in child. (Pol))

MACIEJEWSKI, A.; BOBINSKI, H.; PANUSZ, H.; KIERUCZENKO, A.

Studies on sodium-potassium shifts in extravasated blood of operated children. Acta physiol pol 12 no.3:425-432 '61.

1. Z Kliniki Chirurgii Dzisiejszej A.M. w Lodzi Kierownik: prof dr
A. Maciejewski.
(POTASSIUM blood) (SODIUM blood) (SURGERY OPERATIVE blood)

HIMMEL, Andrzej; BOBINSKI, Henryk; MATUSZAK, Jerzy; PRZEDLACKI, Janusz;
SCHMIDT, Marian; TRZNADEL, Kazimierz

Clinical studies on diuretic drugs from the thiazide group. I. Effect
of hydrochlorothiazide, benzathiade and benshydrefluemethiazide in
normal subjects. Polskie arch. med. wewn. 31 no.7:941-951 '61.

1. z III Kliniki Chorob Wewnętrznych WAM w Łodzi Kierownik: prof.
dr med. A. Himmel.

(CHLOROTHIAZIDE rel cpds)

BOBINSKI, Henryk; PRZEDLACKI, Janusz

Comparative studies on the clinical value of the determination of the blood glucose level with Hagedorn-Jensen, enzymatic and toluidine methods. Pol. tyg. lek. 17 no.12:433-436 19 Mr '62.

l. z III Kliniki Chorob Wewnetrznych WAM w Lodz; kierownik: prof. dr med. A. Himmel.

(BLOOD SUGAR chem)

HIMMEL, Andrzej; BOBINSKI, Henryk

Evaluation of burning of glucose in the erythrocytes in vitro in various concentrations of glucose. Polskie arch. med. wewn. 32 no.4: 311-314 '62.

1. z III Kliniki Chorob Wewnetrznych WAM w Lodzi.
(ERYTHROCYTES metab) (BLOOD SUGAR)

HIMMEL, Andrzej; BOBINSKI, Henryk; PLONKA, Andrzej

Evaluation of the rate of potassium exchange in human erythrocytes
under the influence of various concentrations of glucose in the blood
in vitro. Polskie arch. med. wewn. 32 no.4:315-318 '62.

1. Z III Kliniki Chorob Wewnetrznych WAM w Lodzi.
(POTASSIUM blood) (ERYTHROCYTES metab)
(BLOOD SUGAR)

HIMMEL, A.; BOBINSKI, H.; PLONKA, A.

The influence of alloxan on potassium exchange rate in human erythrocytes in vitro. Postepy biochem. 8 no. 41582 '62.

l. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej
w Łodzi.

(ALLOXAN) (POTASSIUM) (ERYTHROCYTES)

HIMMEL, A.; BOBINSKI, H.; PLONKA, A.

The influence of hyperglycaemic medium on potassium exchange rate in
human erythrocytes in vitro. Postepy. biochem. 8 no.4:583 '62.

1. Z III Kliniki Chorob Wewnętrznych Wojskowej Akademii Medycznej
w Łodzi.

(POTASSIUM) (ERYTHROCYTES) (HYPERGLYCEMIA)

MRZYGLOD, Stanislaw; BOBINSKI, Henryk

Experimental studies on the penetration of crisul into the liquid of the anterior chamber of the eye in the rabbit.
Klin. oczna 33 no.3/4:373-380 '63.

l. Z Kliniki Okulistycznej Kierownik: prof. dr med. P. Segal
Z III Kliniki Chorob Wewnętrznych w Łodzi Kierownik: prof. dr
med. A. Himmel.
(SULFAPHENAZOLE) (AQUEOUS HUMOR)

BOBINSKI, I., inzh. (N. R. Polsha)

Modern air conditioning and dust removal installations in
textile factoriess. Tekstilna prom 11 no.6:19-21 '62.

BOBIN'SKIY, E.

BOBIN'SKIY, E.: "Investigation of the operation of dams on laminated Flysch foundations." Min Higher Education USSR. Moscow Order of Labor Red Banner Construction Engineering Inst imeni V. V. Kuybyshev, Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Source: Knizhnaya letopis' No. 28 1956 Moscow

112-57-8-16403D

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 8, p 54 (USSR)
AUTHOR: Bobin'skiy, E.

TITLE: Investigation of Behavior of Dams Having a Stratified Flysh Base
(Issledovaniye raboty plotin na sloistykh flishevykh osnovaniyakh)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of
Candidate of Technical Sciences, presented to Mosk. inzh.-stroit. in-t
(Moscow Civil-Engineering Institute), M., 1956.

ASSOCIATION: Mosk. inzh.-stroit. in-t (Moscow Civil-Engineering Institute)

Card 1/1

BOBINSKIY, E.S., kand.tekhn.nauk

Study of the functioning of stratified anisotropic rock dam
foundations. Sbor.trud.MISI no.32:14-23 '61. (MIRA 14:7)
(Dams)

Bobir, N.U.

MOLOTKOV'S'KIY, G.Kh.; BOBIR, N.U.

Phenomenon of polarity and distribution of ascorbic acid in fir,
spruce, and pine trees [with summary in English]. Ukr.biokhim.
zhur. 29 no.1:119-123 '57. (MLR 10:5)

1. Chernivets'kiy dershavniy universitet.
(POLARITY (BIOLOGY)) (ASCORBIC ACID) (CONIFERAE)

BOBIR, Nikolay Yakovlevich -- awarded sci degree of Doc Tech Sci for the 18 Oct 57 defense of dissertation: "Photogrammetry" (textbook for the specialty of Astronomogeodesy for 1956) at the Council, Mos Inst of Geodetic, Aerophoto-Surveying and Cartographic Engrs; Prot No 14, 21 May 58.

(BMVO, 11-58,18)

KISLOV, V.V.; ZAITOV, I.R.; LOBANOV, A.N., doktor tekhn. nauk,
retsenzent; LEVCHUK, G.P., kand. tekhn. nauk, dots.,
retsenzent; BORDYUKOV, M.P., kand. tekhn. nauk, dots.
retsenzent; OVSYANNIKOV, R.I., kand. tekhn. nauk, dots.,
retsenzent; KO'YLOV, V.N., kand. tekhn. nauk, dots.,
retsenzent; B'BIR, N.Ya., doktor tekhn. nauk, prof.,
red.

[Practical work in photogrammetry] Praktikum po foto-
grammetrii. Moskva, Nedra, 1965. 187 p.

(MIRA 18:6)

SOV/154-58-2-6/22

AUTHOR: Bobir, N. Ya., Docent, Candidate of Technical Sciences

TITLE: The Determination of the Elements of Interior Orientation of Wide-Angle and Super-Wide-Angle Aerial Cameras (Opredeleniye elementov vnutrennego oriyentirovaniya shirokougol'nykh i sverkhshirokougol'nykh aerokamer)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Geodeziya i aerofotos"yemka, 1958, Nr 2, pp 67-72 (USSR)

ABSTRACT: The article deals with the problem of determining the location of the principal point which satisfies the condition of angular symmetry for each zone. A. Sh. Shakhverdov suggested formulae for the determination of the co-ordinates x , y of the principal point on the basis of the difference of the photogrammetrical distortion values (distortion computed on the basis of angles β and β') (Ref 1). It is easier to solve the problem directly by means of the difference of angles β and β' using formula (1). In the case of an asymmetrical distortion it is necessary, in order to determine the most favorable location of the principal point, to measure the angles in several zones, the camera being oriented on the axes x and y and two diagonal directions

Card 1/3

SOV/154-58-2-6/22

The Determination of the Elements of Interior Orientation of Wide-Angle and Super-Wide-Angle Aerial Cameras

x' and y' . The arithmetic mean of the co-ordinates x , y , and x' , y' is determined: formulae (2) and (3). They contain the principal distance f of the aerial camera which is determined by means of formulae (7) and (8). Since presently both the differential and universal methods of stereo-photogrammetrical aerial photography are used, both formulae (7) and (8) have to be used in determining the principal distance of the aerial camera and two values have to be given for f ; also, it must be stated which of the values satisfies what conditions. Since the Zeiss (Tseyss) optical bench has a very important shortcoming (it is very difficult to place the aerial camera on it in the necessary way), a slightly changed scheme for an optical bench which does not have this drawback is given. It is also better than the bench by M. M. Businov and Yu. K. Yutsevich. In conclusion the accuracy in centering the aerial camera is investigated. There are 4 figures and 1 reference, 1 of which is Soviet.

Card 2/3

The Determination of the Elements of Interior Orientation of Wide-Angle and Super-Wide-Angle Aerial Cameras SOV/154-58-2-6/22

ASSOCIATION: Moskovskiy ordena Lenina i ordena Trudovogo Krasnogo Znameni Gosudarstvennyy universitet im. M. V. Lomonosova (Moscow Lenin-Order and Order of the Red Workers' Banner State University imeni M. V. Lomonosov)

SUBMITTED: March 3, 1958

Card 3/3

BOBIR, N.Ya., prof., doktor tekhn.nauk

Theory of the deformation of a rectified image and its use in
solving some photogrammetric problems. Izv. vys. ucheb. zav.;
geod. i aerof. no.2:87-110 '61. (MIRA 14:6)

1. Moskovskiy institut inzhenerov geodezii, aerofotos"yemki i
kartografii.

(Aerial photogrammetry)

SOV/124-59-7-8164

Translation from: Referativnyy zhurnal, Mekhanika, 1959, Nr 7, p 153 (USSR)

AUTHORS: Bobir, Stepanenko, Shevchenko

TITLE: The Determination of Stresses in Turbine Rotor^s by Means of a
Netted Electric Integrator for the Case of Action of Centrifugal
Forces and Nonuniform Heating

PERIODICAL: Nauk. shchorichnykh. Mekhan.-matem. fak. Kyyiv's'k. un-tu, 1956,
Kiyev, 1957, pp 548 - 550 (Ukr.)

ABSTRACT: The problem of the state of stress in a revolving turbine rotor is
solved. The system of differential equations of the problem is
reduced to equations in finite differences and is solved at an
electric integrator by means of three nets. The theoretical
estimation of the inaccuracy is given and it is shown that the
error in practical application of the method may be reduced to
a fraction of the theoretical error.

A.G. Kostyuk

✓B

Card 1/1

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1

BOBIRNAC, B.; COSTESCU, C.; SANDA, Emilia (Craiova)

Notes on the Morocco locust (*Locusta marocanana* Thunb.) in
Oltenia. Natura Biologie 15 no.6:87-90 N-D '63.

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1"

BOBIRNAC, B.

Most important pests in annual agricultural cultivation. p. 56.
NATURA. Bucuresti. Vol. ?, no. 3, May/June 1955.

SOURCE: East European Accessions List (EEAL) Library of Congress
Vol. 5, No. 7, July 1956.

B.BIR-NAC, B.

country	poland	P
CATEGORY	pest control and sociobiology, insects, fruit and olive pests	
ABS. JOUR.	: RZhBiol., No. 22 1958, No. 106912	
AUTHOR	<u>Birnac, B., Sache, E.</u>	
INST.		
TITLE	Preliminary findings on the biology and control of the anomala beetle - a pest of the grapevine in the Silesian regions in the south of Ukraine in 1955	
ORIG. PUB.	tomograf. Izdav. Stint. nauch. Ural. Kraiova, usureshi, 1957, 115-365	
ABSTRACT	The beetles A. colica and A. cuprea appeared in 1955 on 10 June and began to cause damage on 12 July. They caused damage to the young leaves of grapevines. Control measures were mechanical (shaking the vines and collecting the beetles) and chemical. The best results (95-98% death in 2-3 hours after application) were obtained by dusting with 6-T (15-20 g per vine). Dusting with hexachlorane (20-25 kg/hectare) also yielded good results. -- V.N. Popovskaya	
#1658		
CARD:	1/1	
	GAD	
	#1	

POEIS, L.; STRELKA, T.

Work with a portable laboratory for bakeries. p.94

PRUMYSL POTRAVIN (Ministerstvo potravinarskeho prumyslu) Praha

Vol. 5, no. 2, 1955

East European Accessions List

Vol. 5 No. 1

Jan. 1956

BOBIS, L.

Moscow cuts. p. 127.

TECHNIKA VUYUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho
prumyslu a vykupu zemedlskych vurobk u a Sdruzeni mlynu a pekaren)
Praha, Czechoslovakia, Vol. 5, no. 3, Mar. 1959.

Monthly List of East European Accession (EEAI), LC Vol. 9, no. 2,
Feb. 1960.

Uncl.

ACC NR: AT6028967

SOURCE CODE: UR/0000/65/000/000/0065/0074

AUTHOR: Boyko, V. N.; Lyashchuk, D. N.; Bobivskiy, R. A.

ORG: Western Ukrainian Geophysical Prospecting Expedition of the Ukrgeofizrazvedka Trust (Zapadno-Ukrainskaya geofizicheskaya razvedoch-naya ekspeditsiya tresta Ukrgeofizrazvedka)

TITLE: Application of the plane wave-front method in the outer zone of the cis-Carpathian trough and the southwestern border of the Russian platform

SOURCE: Vsesoyuznyy seminar po novoy metodike seysmorazvedki. Seysmorazvedka s primeneniem gruppirovaniya vzryvov na dlinnykh bazakh i sposoba tsentral'nykh luchey (Seismic prospecting using the grouping of shots on long bases and the method of central rays); trudy seminara. Moscow, Izd-vo Nedra, 1965, 65-74

TOPIC TAGS: geophysical prospecting, underground explosion, seismology, wave front, seismologic research, seismic wave, seismic prospecting

ABSTRACT: The method and results of experimental investigations of the plane wave-front method (SPF) are described. This work was conducted in the outer zone of the cis-Carpathian trough and along the southwestern border of the Russian platform. Data obtained are practically

Card 1/2

ACC NR: AT6028967

identical to those obtained by the single-point method with shots grouped in 4—6 boreholes. SPF seismic profiles are largely characterized by an elongation of reflecting boundaries. Greatest effectiveness was attained on flat terrain and a reflecting boundary with an inclination angle not exceeding 4° . The use of SPF during exploration of gently sloping structures makes it possible to locate small blocks efficiently. Thus a single-sign interpretation of short cophasal axes (300—400 m) is made from which a structure may be constructed. This, however, is difficult to accomplish if other modifications of the reflected wave method are used. During correlation of reflections from boundaries inclined at angles of $4-8^{\circ}$, it is necessary to account for the systematic disagreement of individual instruments. By varying the depth of formation of the plane wave front, it is possible to eliminate or decrease the even-numbered waves from boundaries characterized by a high acoustical rigidity. Use of the plane wave-front method speeded up the work 1.5 times. Orig. art. has: 3 figures.

SUB CODE: 08/ SUBM DATE: 30Apr65/ ORIG REF: 003

Card 1/2

BOBIS, L.

Two applications of our experiences gained in Moscow. p. 180

TECHNIKA VYKUPU, MLYNARSTVI A PEKARSTVI. (Ministerstvo potravinarskeho
purymslu a vykupu zemedelskych výrobku a řízení mlýnu a pekáren)
Praha, Czechoslovakia, Vol. 5, no. 4, Apr. 1959

Monthly List of East European Accessions (EEAI), Vol. 9, no. 1, Jan, 1960

Uncl.

BOBKIN, S.

Supply should be made in time. Muk.-elev. prom. 29 no.8:32
Ag '63. (MIRA 17:1)

1. Starshiy inzh. po kachestvu Novgorodskogo upravleniya
khleboproduktov.

Bobko, I. D.

Subject : USSR/Mining AID P - 3050
Card 1/1 Pub. 78 - 4/20
Authors : Yevstigneyev, K. N., Bobko, I. D. and Chepurnoy, S. I.
Title : Experience in drilling wells by turbo-drills in Tuymazy
Periodical : Neft. khoz., v. 33, no. 8, 19-24, Ag 1955
Abstract : Report on the results of using electric turbo-drills for heavy formations. Data are shown in tabular form.
Institution : None
Submitted : No date

BOBKOV, I.D., inzhener; NIKULIN, Yu.P., inzhener.

High-voltage electric motors for rig hoists with a capacity of
130 to 200 tons. Vest. elektroprom. 27 no.10:62-65 0 '56.

(MIRA 10:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proektnyy institut po
bureniyu neftyanykh i gazonovykh skvashin.
(Electric motors)
(Oil fields--Equipment and supplies)

BOBKOV, P.S.

BOBKOV, P.S.

Natural outlets mineralized waters in the central part of
the main Devonian field; Shelon' Basin. Trudy VNIIG 32:384-393
'56. (MIRA 11:1)
(Shelon' Valley--Mineral waters)

Distr: 4E2c(j)/4E2d

Plastic tubing. B. Ya. Tsvaganov and P. S. Bobko.
U.S.S.R. 107,870, Nov. 25, 1957. Tubes are made of
paper, fabric, and a bonding material.⁵ Polystyrene is used
for the latter. Tubes of this kind are resistant to alk and
acid media. M. Horsch.

5
2-may
2

Jug JPP

BOBKOV, Ye.V.

Experience in the use of the "Belarus!" SP-57 machine for washing
glass jars. Kons. i ov.prom. 18 no.10:5-6 0 '63. (MIRA 16:11)

1. Gantsevichskiy ovoshchesushil'nyy zavod.

"APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1

BOBKOV, Yevgeniy Vasil'yevich

DECEASED

1963

Agriculture
Botanical chemistry

1959

APPROVED FOR RELEASE: 06/09/2000

CIA-RDP86-00513R000205620005-1"

BOBKOV, Yury Georgiyevich; NOSKOV, B.A., prof., retsenzent;
LYUBCHENKO, A.P., kand. tekhn. nauk, retsenzent;
SAKHAROVA, A.V., dots., otv. red.; KOVALEVA, Z.G., red.

[Aluminum cast iron] Aliuminievye chuguny. Khar'kov,
Izd-vo Khar'kovskogo univ., 1964. 194 p. (MIRA 17:6)

BOBKOV, A.

For an honorary title. Grazhd. av. 22 no.3:3 Mr 165.

(MIRA 18:7)

1. Nachal'nik shtaba Ufimskogo aviatsionnogo podrazdeleniya.

Bobkov, H.A.

ANTIPOV, K.F., inzhener; BALAKSHIN, B.S., doktor tekhnicheskikh nauk, professor; BARYLOV, G.I., inzhener; BEYZEL'MAN, R.D., inzhener; BERDICHENSKIY, Ya.G., inzhener; BOBKOV, A.A., inzhener; KALININ, M.A., kandidat tekhnicheskikh nauk; KOVAN, V.M., doktor tekhnicheskikh nauk, professor; KORELKOV, V.S., doktor tekhnicheskikh nauk; KOSILOVA, A.G., kandidat tekhnicheskikh nauk; KURYAVTSEV, N.T., doktor khimicheskikh nauk, professor; KURYSHSVA, Ye.S., inzhener; LAKHTIN, Yu.M., doktor tekhnicheskikh nauk, professor; NAYERMAN, M.S., inzhener; NOVIKOV, M.P., kandidat tekhnicheskikh nauk; PARTYSKIY, M.S., inzhener; PEREPONOV, M.N., inzhener; POPILOV, L.Ya., inzhener; POPOV, V.A., kandidat tekhnicheskikh nauk; SAVERIN, M.P., doktor tekhnicheskikh nauk, professor; SASOV, V.V., kandidat tekhnicheskikh nauk; SATAL', E.A., doktor tekhnicheskikh nauk, professor; SOKOLOVSKIY, A.P., doktor tekhnicheskikh nauk, professor [deceased]; STANKOVICH, V.G., inzhener; SHUMIKH, Yu.I., inzhener; KHRYCHOV, N.I., inzhener; TSEYTLIN, L.B., inzhener; SHUKHOV, Yu.V., kandidat tekhnicheskikh nauk; BABKIN, S.I., kandidat tekhnicheskikh nauk; VOLKOV, S.I., kandidat tekhnicheskikh nauk; GOROBITSKIY, I.Ye., doktor tekhnicheskikh nauk, professor; GOGOSHKIN, A.K., inzhener; DOSCHATOV, V.V., kandidat tekhnicheskikh nauk; ZAMALIN, V.S., inzhener; ISAYEV, A.I., doktor tekhnicheskikh nauk, professor; KEDROV, S.M., kandidat tekhnicheskikh nauk; MALOV, A.N., kandidat tekhnicheskikh nauk; MARDANYAN, M.Ye., inzhener; PANCHENKO, K.P., kandidat tekhnicheskikh nauk; SEMIRETEV, D.N., inzhener; STAYEV, K.P., kandidat tekhnicheskikh nauk; SYROVATCHENKO, P.V., inzhener; TAURIT, G.S., inzhener; EL'YASHEVA, M.A., kandidat tekhnicheskikh nauk;

(Continued on next card)

ANTIPOV, K.F. ---(continued) Card 2.

GRANOVSKIY, G.I., redaktor; DZHIVANOV, F.S., rezhitor; ZUBOV, V.N.,
redaktor; CHARNIKO, D.V., redaktor; SHITOV, S.Ye., konstruktor, naif "for
[deceased]; SOKOLOVA, T.F., tekhnicheskaya redaktor

[Machine builder's manual] Spravochnik tekhnicheskogo stroitelstva;
v dvukh tomakh, red.sovet V.M. Maleva. Chленг. Red. soveta S.S. Belakhan
i dr. Moskva, Gos.sauchno-tekhniko-vyizdatel'stvo strininskogo lit-ry.
Vol. 1. (Pod red. A.G.Kosilovoi) 1956. 680 s. Vol.2. (Pod red. s.n.R.
Maleva) 1956. 584 p. (Machinery industry)

BOBKOV, A.A., inzh.

New method of determining the weight of a blank for hammer forging.
Sbor. MOSSTANKIN no.3:88-99 '55. (MIRA 13:3)
(Forging)

ANTIPOV, K.F., inzh.; BALAKSHIN, B.S., prof., doktor tekhn.nauk; BARYLOV, G.I., inzh.; BEYZEL'MAN, R.D., inzh.; BERDICHKOVSKIY, Ya.G., inzh.; BOBKOV, A.A., inzh.; KALININ, M.A., kand.tekhn.nauk; KOVAN, V.M., prof., doktor tekhn.nauk; KORSAKOV, V.S., doktor tekhn.nauk; KOSILOVA, A.G., kand.tekhn.nauk; KUDRYAVTSEV, N.T., prof., doktor khim.nauk; KURYSHEVA, Ye.S., inzh.; LAKHTIN, Yu.M., prof., doktor tekhn.nauk; NAYERMAN, M.S., inzh.; NOVIKOV, M.P., kand.tekhn.nauk; PARIYSKIY, M.S., inzh.; PEREPONOV, M.N., inzh.; POPILOV, L.Ya., inzh.; POPOV, V.A., kand.tekhn.nauk; SAVERIN, M.M., prof., doktor tekhn.nauk; SASOV, V.V., kand.tekhn.nauk; SATEL', R.A., prof., doktor tekhn.nauk; SOKOLOVSKIY, A.P., prof., doktor tekhn.nauk [deceased]; STANKEVICH, V.G., inzh.; FRUMIN, Yu.L., inzh.; KHRAMOV, M.I., inzh.; TSEYTLIN, L.B., inzh.; SHUKHOV, Yu.V., kand.tekhn.nauk; MARKUS, M.Ye., inzh., red. [deceased]; GRANOVSKIY, G.I., red.; DEM'YANYUK, F.S., red.; ZUBOK, V.N., red.; MALOV, A.N., red.; NOVIKOV, M.P., red.; CHARNKO, D.V., red.; KARGANOV, V.G., inzh., red. graficheskikh rabot; SOKOLOVA, T.F., tekhn.red.

[Manual of a machinery designer and constructor; in two volumes]
Spravochnik tekhnologa-mashinostroitelia; v dvukh tomakh. Glav. red. V.M.Kovan. Chleny red.soveta B.S.Balakshin i dr. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. Vol.1. Pod red. A.G.Kosilovo. 1958. 660 p. (MIRA 13:1)
(Mechanical engineering--Handbooks, manuals, etc.)

BOBKOV, A.A.

Expansion of specialization and cooperation. Tekst.prom.
20 no.2:99 F '60. (MIRA 13:6)

1. Glavnnyy inzhener Maydakovskogo zavoda Ivanovskogo sovnarkhoza.
(Ivanovo—Textile machinery)

GORYANOV, V.I., kand.tekhn.nauk, dotsent; BOBKOV, A.A., inzh.

The SShT-9 noncontact radioactive unit for the control of an automatic machine tool or an automatic line. Sbor. MOSSTANKIN no.6:121-130 '62.
(MIRA 15:12)

(Radioisotopes—Industrial applications) (Electronic control)
(Machine tools)

BOBKOV, A.F.; STEPIN, N.I.

Use of ordinary automatic control means. Elek. i tepl. tiaga 6
no.12:26 D '62. (MIRA 16:2)

1. Nachal'nik remontno-revisionnogo tsekha uchastka energosnab-
zheniya Pokrovsko-Streshnevo Moskovskoy dorogi (for Bobkov).
2. Starshiy inzhener remontno-revisionnogo tsekha uchastka energo-
snabzheniya Pokrovsko-Streshnevo Moskovskoy dorogi. (for Stepin).
(Automatic control) (Electric railroads—Current supply)

BOBKOV, A.G.

Modifications of the epithelium of the seminal ducts in epididymitis
in man. Urologia no.4;30-37 D-0 '55. (MLRA 9:12)

1. Iz kafedry patologicheskoy anatomi (zav. prof. M.A.Zakhar'yevskaya)
I Leningradskogo meditsinskogo instituta imeni akad. I.P.Pavlova.
(EPIDIDYMITIS, pathology,
vas deferens)
(VAS DEFERENS, pathology,
in epididymitis)

Bobkov, A. G.

USSR/Medicine - Pathomorphology

FD-2519

Card 1/1 Pub. 17-18/20

Author : Bobkov, A. G.

Title : Changes in the epithelium of the accessory sex glands of the male rabbit in aseptic inflammation produced by coal tar

Periodical : Byul. biol. i med. 4, 68-72, Apr 1955

Abstract : Investigated changes in the epithelium of the accessory sex glands of the adult male rabbit during aseptic inflammation produced by coal tar injected into the glands. The animals were sacrificed at periods from 1-125 days and sections of the above glands were prepared and examined microscopically for epithelial changes. Microsections. Eleven references, 5 of them USSR (4 since 1940).

Institution : Chair of Pathological Anatomy (Head - Prof. M. A. Zakhar'yevskaya) of the Leningrad Medical Institute named I. P. Pavlov

Submitted : June 5, 1954, by V. G. Garshin, Member of the Academy of Medical Sciences USSR

BOBKOV, A.I.G. (Leningrad, Petrogradskaya storona, Bol'shoy prosp., d.69/4, kv.50)

Comparative histology of inflammation; processes of resorption
and separation of dead tissues in *Carcinus maenas* L. Arkh.anat.,
gist. i embr. 36 no.6:34-39 Je '59. (MIRA 12:9)

1. Kafedra patologicheskoy anatomi (zav. - prof.M.A.Zal'zar'-
yevskaya) I Leningradskogo meditsinskogo instituta im. akad.
I.P.Pavlova.

(INFLAMMATION, expc.
absorp. & separation of dead tissue in *Carcinus
maens* (Rus))

BOBKOV, A.G.

Effect of synestrol on the accessory sex glands in a male
rabbit. Biul.eksp.biol. i med. 48 no.7:101-106 J1 '59.
(MIRA 12:10)

1. Iz knifedry patologicheskoy anatomi (zav. .. prof.M.A.
Zakhar'yevskaya) I Leningradskogo meditsinskogo instituta imeni
I.P.Pavlova (dir. - dotsent A.I.Ivanov). Predstavlena akademikom
N.N.Anichkovym.

(STILBENES - pharmacology)
(GONADS - pharmacology)

BOBKOV, A.G.

Development of genital changes produced by synestrol in male rats.
Biul. eksp. biol. i med. 49 no. 5:123-126 My '60. (MIRA 13:12)

1. iz kafedry patologicheskoy anatomii (zav. - prof. M.A. Zakhár'yevskaya) I Leningradskogo meditsinskogo instituta imeni akademika I.P. Pavlova. Predstavlena deystvitel'nym chlenom AMN SSSR N.N. Anichkovym.
(PHENOL) (GENERATIVE ORGANS, MALE)

BOBKOV, A.G.

Changes in the accessory sex glands of male rabbits following castration. Biul. eksp. biol. i med. 49 no. 6:89-91 Je '60.
(MIRA 13:8)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. MA.A Zakhar'yevskaya) I Leningradskogo meditsinskogo instituta im. I.P. Pavlova. Predstavlena akademikom N.N. Anichkovym.
(GASTRATION) (GENERATIVE ORGANS, MALE)

BOBKOV, A.G.

Changes in the seminal excretory ducts of the rabbit caused by
synestrol and their involution. Biul. eksp. biol. i med. 50
no.10:122-126 O '60. (MIRA 14:5)

1. Iz kafedry patologicheskoy anatomii (zav. - prof. M.A.Zakhar'-
yevskaya) I Leningradskogo meditsinskogo instituta imeni I.P.Pavlova.
Predstavlena akademikom N.N.Anichkovym.
(GENERATIVE ORGANS, MALE) (PHENOL-PHYSIOLOGICAL EFFECT)

BOBKOV, A.G. (Leningrad)

Specific type of hemorrhagic capillary toxicosis. Arkh.pat.
23 no.4:85-87 '61. (MIRA 14:6)

1. Iz somaticeskoy kliniki (zav. - prof. E.I. Fridman) Nauchno-
issledovatel'skogo pediatriceskogo instituta i kafedry patolo-
gicheskoy anatomii (zav. - prof. N.A. Zakhar'yevskaya) I Lening-
gradskogo meditsinskogo instituta imeni akad. I.P. Pavlova.
(PURPURA (PATHOLOGY))

BOBKOV, A.G.; CHZHAN YUE-MIN [Chang Yüeh-ming] (Kitayskaya Narodnaya Respublika)

On the problem of lesions of the lungs in Behcet's disease.
Arkh.pat. 23 no.5:64-67 '61. (MIRA 14:6)

1. Iz patologoanatomicheskogo otdeleniya gospitala Kitaysko-sovetskoy druzhby, Pekin.
(BEHCET SYNDROME) (LUNGS)

BOBKOV, A.G. (Leningrad, P-101 Bolshoy pr. 69/4. kv. 50)

Histogenesis of adenomatoid tumors (mesotheliomas) of the
epididymis. Arkh.anat., glist i embr. 43 no.7:60-67 Jl '62.
(MIRA 15:9)

1. Kafedra patologicheskoy anatomii (zav. - zasluzhennyy deyatel'
nauki prof. M.A.Zakhar'yevskaya) 1-go Leningradskogo meditsinskogo
instituta imeni akademika Pavlova.

(EPIDIDYMIS---TUMORS)

BOBKOV, A.G. (Leningrad)

Experimental cancer of the epididymis induced in white rats by
carcinogenic hydrocarbons. Arkh. pat. 26 no.12:18-26 '64.
(MIRA 18:5)

1. Kafedra patologicheskoy anatomii (zav. - prof. M.A.Zakhar'-
yevskaya) I leningradskogo meditsinskogo instituta imeni Pavlova.

BOBKOV, A.G.

Malignant mesothelioma of the epididymis induced in a white rat
with 9, 10-dimethyl-1,2-benzanthracene. Vop. onk. 11 no.8:100-
102 '65. (MIRA 18:11)

1. Iz kafedry patologicheskoy anatomi (zav. - zasluzhenny deyatel' nauki prof. M.A.Zakhar'yevskaya) I Leningradskogo meditsinskogo instituta imeni I.P.Pavlova.

MAMEDOV, I.M., kand. med. nauk (Leningrad, ul. Skorokhodova, d.32, kv.39);
BOBKOV, A.G., kand. med. nauk

Case of tuberculosis of the breast and aortic aneurysm of
tubercular etiology.. Klin. khir. no.2:71-73 '65.

(MIRA 18:10)

1. Kafedra gospital'noy khirurgii (zav.- chlen-korrespondent
AMN SSSR prof. F.G. Uglow) i kafedra patologicheskoy anatomii
(zav.- prof. M.A. Zakhar'yevskaya) L'go Leningradskogo medi-
tsinskogo instituta imeni akademika Pavlova.

SOV/112-59-3-5331

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 3, p 148 (USSR)

AUTHOR: Shtukkenberg, Yu. M., Kalugin, K. S., and Bobkov, A. I.

TITLE: Electric Precipitator for Determining Concentration of Active Aerosols
(Elektrofil'tr dlya opredeleniya kontsentratsii aktivnykh aerozoley)

PERIODICAL: V sb.: Issled. v obl. dozimetrii ioniziruyushchikh izlucheniy. M.,
AN SSSR, 1957, pp 132-153

ABSTRACT: Measurement of active-aerosol concentration in air is conventionally performed by pumping air through a paper filter and by subsequently determining its activity. The fundamental disadvantages of this method are: (1) low speed of pumping resulting in a long measurement time (particularly with small concentrations when this time is as long as several hours); (2) self-absorption of the radiation in paper; (3) low accuracy of measurement due to the fact that the filter traps different-size particles differently. Design of an electric precipitator is described which is based on the corona discharge and

Card 1/2

SOV/112-59-3-5331

Electric Precipitator for Determining Concentration of Active Aerosols

which is free from the above disadvantages. Aerosols charged in the corona region are deposited on a detachable target which has a reverse-sign potential; then, the target activity is measured. A simplified theory of such a precipitator is examined. Experiments have shown that various sizes of aerosols are effectively deposited on the precipitator target; the efficiency, i.e., the ratio of the number of deposited aerosols to the total number of aerosols entering the precipitator, amounts to a few dozens per cent and little depends on the aerosol size.

L.V.M.

Card 2/2

1. BOBKOV, A.M., Eng., ZEL'DOVICH, A. L., Eng.
2. USSR (600)
4. Loading and Unloading
7. L'vov plant should produce high quality truck loaders. Mekh. trud. rab. 7, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

5(3)
AUTHORS:Terent'yev, A. P.; Preobrazhenskaya, M. N., Bobkov, A. S.,
Sorokina, G. M.

SOV/79-29-8-18/81

TITLE:

Introduction of Substituents Into the Benzene Nucleus of Indole.
IV. Synthesis of Bromo-, Nitro- and Aminoindoles and Indolines
(Ref 22)

PERIODICAL:

Zhurnal obshchey khimii, 1959, Vol 29, Nr 8, pp 2541-2551
(USSR)

ABSTRACT:

In the present paper, the authors used the scheme previously carried out by them regarding the synthesis of indoles substituted in the benzene nucleus (Ref 1) also for the synthesis of 6-nitro- and 6-nitro-methylindole. The initial products were indoline (I) and 2-methylindoline (II). Indole can be converted into indoline (I) by hydrogenation in the autoclave on Reney's nickel catalyst at 100° and 100-150 atm (Ref 2). Compound (II) was obtained according to scheme 2 by reduction of methyl indole with zinc in hydrochloric acid (Ref 3). According to the nitration of compound (II) described in a publication (Ref 4), compound (I) gave, on nitration, compound (III) in quantitative yield, which was converted into (V) by acylation. In the present

Card 1/2

SOV/79-29-8-18/81

Introduction of Substituents Into the Benzene Nucleus of Indole. IV. Synthesis
of Bromo-, Nitro- and Aminoindoles and Indolines (Ref 22)

paper, chloroaniline was used for the dehydrogenation of the N-unsubstituted 6-nitroindolines. The dehydrogenation of (III) with chloroaniline in boiling xylene yielded (VI), the dehydrogenation of (IV) gave (VII). On oxidation of the indole (VI), (VIII) was separated; the oxidation of (VII) gave (IX). On nitration of the indolines with the nitrating mixture in concentrated sulfuric acid, the nitro group enters position 6 of the indoline ring, and on nitration of the 1-acetyl indolines with nitric acid, position 5 of the indoline ring. The dehydrogenation of the corresponding nitroindolines gave the following indoles: 6-nitroindole, 6-nitro-2-methylindole, 5-nitroindole, and 5-nitro-2-methylindole. By reduction of the nitroindoles and nitroindolines with hydrazine hydrate, the corresponding amino compounds were formed. There are 22 references, 4 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: July 3, 1958

Card 2/2

BOBKOV, A.S., kandidat tekhnicheskikh nauk.

Nikolai Apollonovich Beleliubskii. Stroi.prom. 33 no.12:40-41
(MLRA 9:3)
D '55.
(Beleliubskii, Nikolai Apollonovich, 1845-1922)

BOBKOV, A.S.

Sectional construction in Rus during the 16th century. Trudy Inst.
ist. est. i tekhn. 7:112-119 '56. (MLRA 9:9)
(Building)